

What is claimed is:

1. A roller drive unit for conveying an object comprising
 - a drive motor;
 - 5 a planetary gear with an input connected to the drive motor and with a first gear output and a second gear output;
 - a drive roller, which is connected to the first gear output, to propel the object;
 - 10 a lifting apparatus connected to the second gear output, to lift the drive roller out of a retracted resting position, in which the drive roller does not contact the object, into a raised operating position in which the drive roller can engage the object;
 - 15 a first controllable brake to slow down the drive roller; and
 - a second controllable brake to keep the lifting apparatus in place.
- 20 2. A roller drive unit as claimed in Claim 1, wherein the first and the second brakes are both electrically controllable.
3. A roller drive unit as claimed in Claim 1, wherein the
 - 25 first brake is connected to the drive roller by way of a first braking gear in such a way as to reduce the torque acting on the first brake.
4. A roller drive unit as claimed in Claim 3, wherein
 - 30 at least one of the first brake and the first braking gear is installed within the drive roller.
5. A roller drive unit as claimed in Claim 1, wherein the
 - 35 second brake device is connected to the lifting apparatus by way of a second braking gear.

6. A roller drive unit as claimed in Claim 1, wherein the lifting apparatus comprises at least one rotatable lifting cam, which raises the drive roller directly.
- 5 7. A roller drive unit as claimed in Claim 1, wherein the lifting apparatus comprises at least one rotatable lifting cam, which raises the drive roller by way of a pivoted frame in which the drive roller is rotatably mounted.
- 10 8. A roller drive unit as claimed in Claim 1, wherein the lifting apparatus comprises a means to lower the drive roller from the operating position into the resting position.
- 15 9. A roller drive unit as claimed in Claim 1, wherein at least one of the first and the second brakes is constructed as a switchable brake with a blocking position and a release position.

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